

# Engineering Study

## Control Device: Stop Signs CR 98

**Roadway / Intersection:** Intersection of CR 98 with CR 90, giving the right-of-way to the north-south traffic on CR 90.

**Location / Extent:** East Celina (see exhibit "A")

**Existing Traffic Control:** Stop signs at the intersection with FM 455

**Roadway Width/ Surface Type:** CR 98 – 24-feet (2-Lane Asphalt)  
CR 90 – 24-feet (2-Lane Asphalt)

**Adjoining Land Development:** Pasture/Agricultural/Residential

**Visibility:** Good

**Accident History:** One accident at this intersection in the past two years

**Traffic Counts:** CR 98 – 47 Cars per Day  
CR 90 North of the intersection – 457 Cars per Day  
CR 90 South of the intersection – 435 Cars per Day

**Application for Stop Sign:** A Stop sign is warranted by Section 2B.04, P3, Article A of the 2011 Texas Manual on Uniform Traffic Control Devices.

**Other Factors:** None

**Recommendation:** It is recommended that Stop Signs be placed on CR 98 at the intersection of CR 90, giving the right-of-way to the north-south traffic on CR 90.

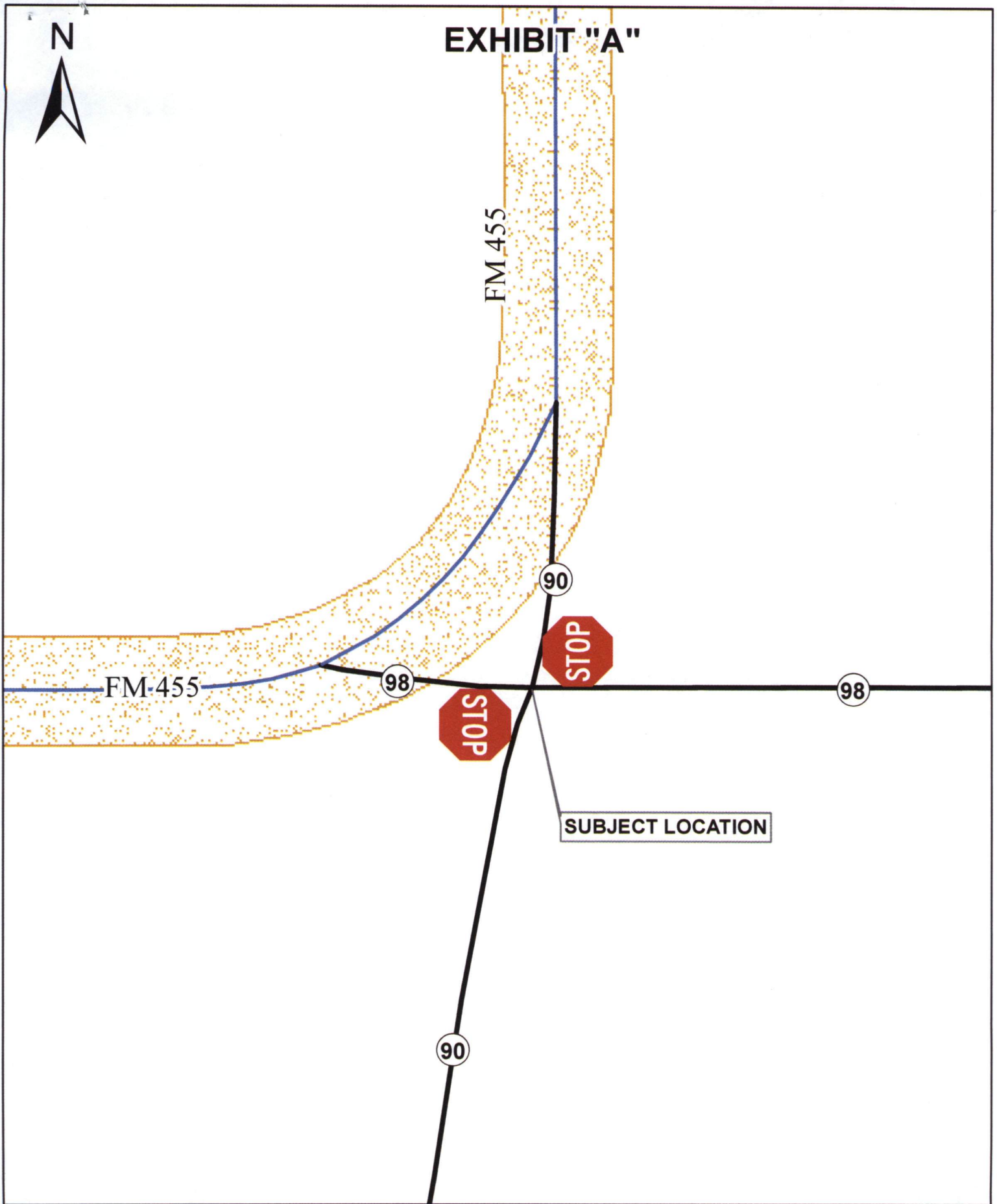
**Date:** October 29, 2013

**Engineer:** Tracy Homfeld, PE, CFM



*Tracy Homfeld*  
12-5-2013

# EXHIBIT "A"



LOCATION MAP CR 98

**Engineering Study**  
**Control Device: Speed Limit Signs CR 398**

**Roadway / Intersection:** County Road 398 from FM 546 east to CR 447

**Location / Extent:** South of Princeton (see exhibit "A")

**Existing Speed Limit:** 20 MPH School zone from CR 447 west 865'

**Existing Traffic Control:** Stop signs at intersections with FM 546 and CR 447

**Traffic Counts:** 399 Cars per day

**Roadway Width/ Surface Type:** 24-feet (2-Lane Asphalt)

**Adjoining Land Development:** Pasture/Agricultural/Residential

**Roadway Design Speed:** None

**Visibility Along the Roadway:** Various curves and hills along road

**Accident History:** Two minor accidents in the past two years along rock surface

**Radar Speed Survey Result** Unable to obtain due to limited traffic at the time of the survey

**Other Factors:** CR 398 has recently been upgraded to asphalt and the traffic is expected to increase.

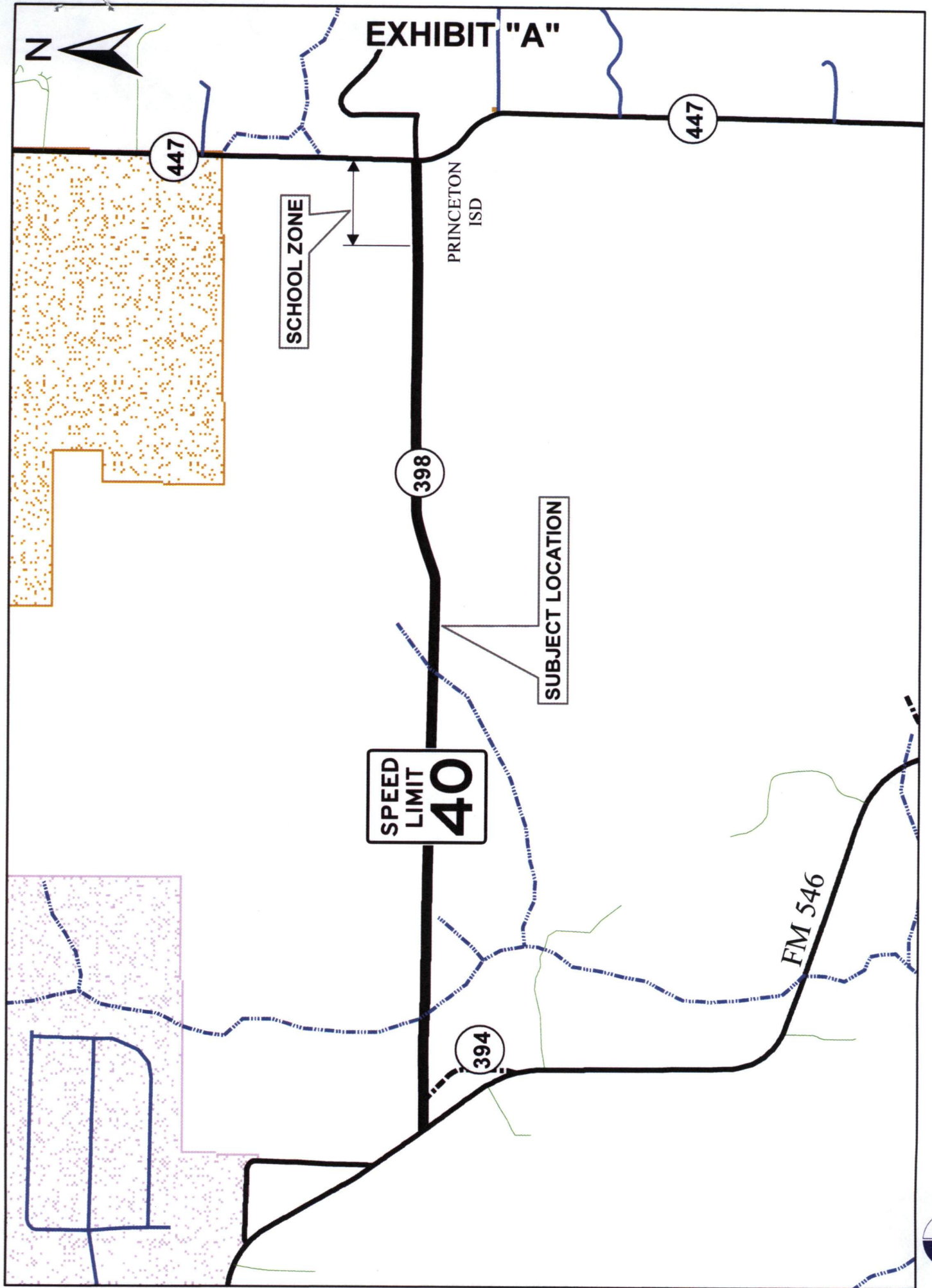
**Recommendation:** A 40 M.P.H. Speed Limit is recommended along the entire road, except the 865' section on school days between the hours of 7:45-8:45 a.m. and 3:15-4:15 p.m. when a 20 M.P.H. will be in effect.

**Date:** December 11, 2013

**Engineer:** Tracy Homfeld, P.E., CFM



*Tracy Homfeld, PE  
12-11-13*



**LOCATION MAP CR 398**



**Engineering Study**  
**Control Device: Stop Sign CR 422**

**Roadway / Intersection:** Intersection of CR 422 with East Foster Crossing, giving the right-of-way to the east-west traffic on East Foster Crossing.

**Location / Extent:** South Anna (see exhibit "A")

**Existing Traffic Control:** None

**Roadway Width/ Surface Type:** CR 422 – 24-feet (2-Lane Asphalt)  
East Foster Crossing – 24-feet (2-Lane Asphalt)

**Adjoining Land Development:** Pasture/Agricultural

**Visibility:** Trees on the west side of intersection restrict visibility

**Accident History:** None have been reported to Public Works Department

**Traffic Counts:** CR 422 – 15 Cars per Day  
E. Foster West of the intersection – 127 Cars per Day  
E. Foster East of the intersection – 139 Cars per Day

**Application for Stop Sign:** A Stop sign is warranted by Section 2B.04, P3, Article A of the 2011 Texas Manual on Uniform Traffic Control Devices.

**Other Factors:** None

**Recommendation:** It is recommended that a Stop Sign be placed on CR 422 at the intersection of East Foster Crossing, giving the right-of-way to the east-west traffic on East Foster Crossing.

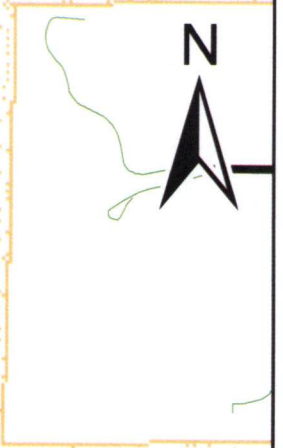
**Date:** October 28, 2013

**Engineer:** Tracy Homfeld, PE, CEM



*Tracy Homfeld, PE*  
*12-5-2013*

# EXHIBIT "A"



422



E. FOSTER CROSSING

SUBJECT LOCATION

418

OUTER LOOP RD



**Engineering Study**  
**Control Device: Stop Sign CR 447**

**Roadway / Intersection:** Intersection of CR 447 with CR 400, giving the right-of-way to the east-west traffic on CR 400.

**Location / Extent:** South Princeton (see exhibit "A")

**Existing Traffic Control:** 40 MPH Speed Limit

**Roadway Width/ Surface Type:** CR 447 – 24-feet (2-Lane Asphalt)  
CR 400 – 24-feet (2-Lane Asphalt)

**Adjoining Land Development:** Pasture/Agricultural

**Visibility:** Good

**Accident History:** None have been reported to Public Works Department

**Traffic Counts:** CR 447 – 983 Cars per Day  
CR 400 West of the intersection – 32 Cars per Day  
CR 400 East of the intersection – 492 Cars per Day

**Application for Stop Sign:** A Stop sign is warranted by Section 2B.04, P3, Article A of the 2011 Texas Manual on Uniform Traffic Control Devices.

**Other Factors:** None

**Recommendation:** It is recommended that a Stop Sign be placed on CR 447 at the intersection of CR 400, giving the right-of-way to the east-west traffic on CR 400.

**Date:** December 11, 2013

**Engineer:** Tracy Homfeld, PE, CFM

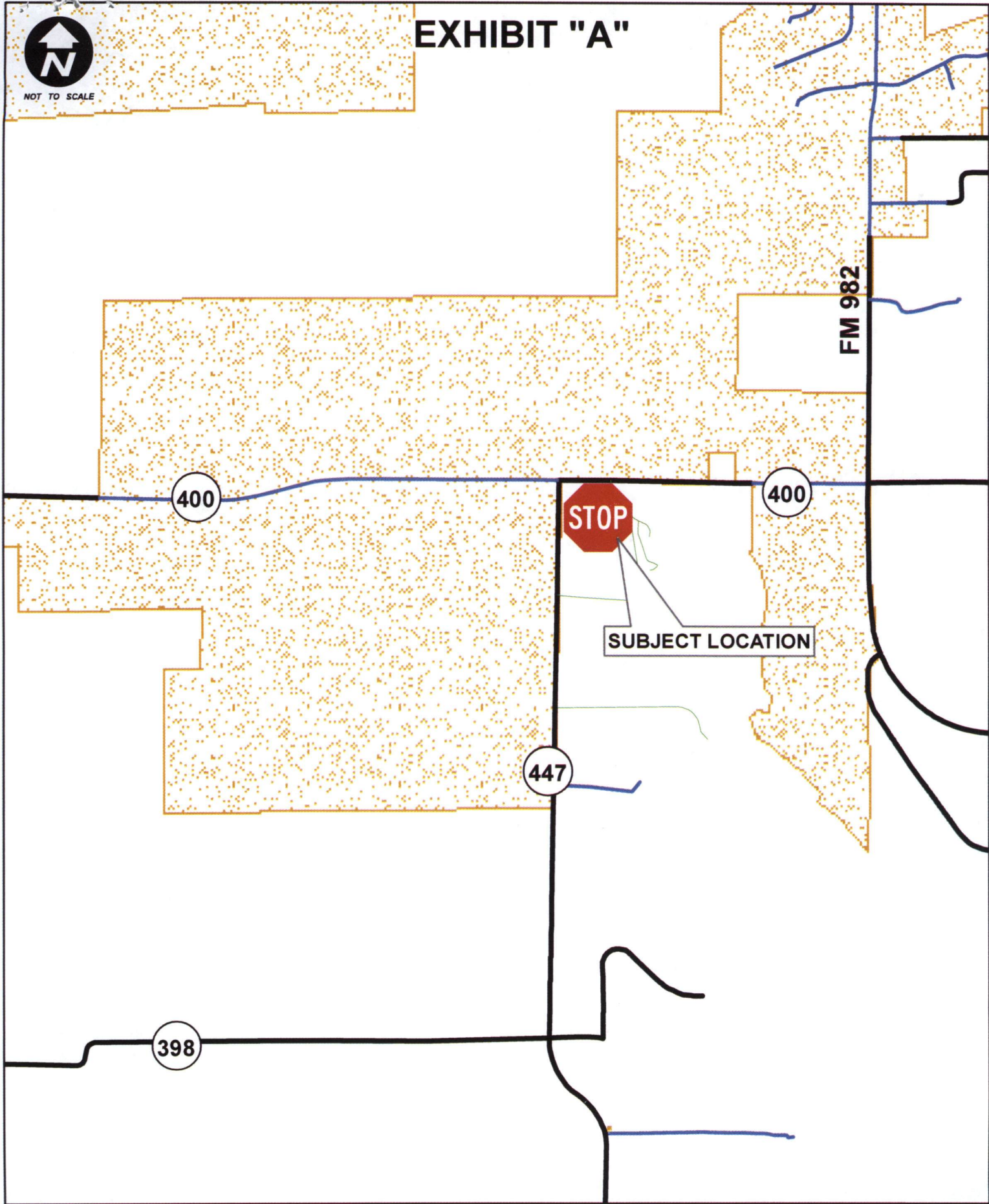


*Tracy Homfeld, PE  
12-11-13*



NOT TO SCALE

# EXHIBIT "A"



## LOCATION MAP CR 447

**Engineering Study**  
**Control Device: Speed Limit Signs CR 557**

**Roadway / Intersection:** CR 557 from Hwy 78 north to Farmersville City Limits

**Location / Extent:** West of Farmersville (see exhibit "A")

**Existing Speed Limit:** None

**Existing Traffic Control:** Stop signs at intersections with Hwy 78 and Audie Murphy Pkwy

**Traffic Counts:** 344 Cars per day

**Roadway Width/ Surface Type:** 24-feet (2-Lane Asphalt)

**Adjoining Land Development:** Pasture/Agricultural/Residential

**Roadway Design Speed:** None

**Visibility Along the Roadway:** Fair – several curves and hills along the road, along with a few hidden entrances

**Accident History:** Four accidents on rock surface in the past 5 years

**Radar Speed Survey Result** Unable to obtain due to limited traffic at the time of the survey

**Other Factors:** CR 557 has recently been upgraded to asphalt and the traffic is expected to increase.

**Recommendation:** A 40 M.P.H. Speed Limit is recommended

**Date:** December 11, 2013

**Engineer:** Tracy Homfeld, P.E., CFM



*Tracy Homfeld, PE  
12-11-13*

# EXHIBIT "A"

AUDIE MURPHY PKWY

N



557

606

SPEED  
LIMIT  
40

SUBJECT LOCATION

HWY 78

555



## LOCATION MAP CR 557

**Engineering Study**  
**Control Device: Stop Sign CR 606**

**Roadway / Intersection:** Intersection of CR 606 with CR 557, giving the right-of-way to the north-south traffic on CR 557.

**Location / Extent:** South of Farmersville (see exhibit "A")

**Existing Traffic Control:** None

**Roadway Width/ Surface Type:** CR 606 – 24-feet (2-Lane Asphalt)  
CR 557 – 24-feet (2-Lane Asphalt)

**Adjoining Land Development:** Pasture/Agricultural

**Visibility:** Trees restrict visibility near intersection

**Accident History:** None have been reported to Public Works Department

**Traffic Counts:** CR 606 – 60 Cars per Day  
CR 557 North of the intersection – 164 Cars per Day  
CR 557 South of the intersection – 180 Cars per Day

**Application for Stop Sign:** A Stop sign is warranted by Section 2B.04, P3, Article A of the 2011 Texas Manual on Uniform Traffic Control Devices.

**Other Factors:** None

**Recommendation:** It is recommended that a Stop Sign be placed on CR 606 at the intersection of CR 557, giving the right-of-way to the north-south traffic on CR 557.

**Date:** December 11, 2013

**Engineer:** Tracy Homfeld, PE, CFM



*Tracy Homfeld, PE  
12-11-13*

# EXHIBIT "A"

AUDIE MURPHY PKWY



SUBJECT LOCATION



606

557

HWY 78

555



## LOCATION MAP CR 606